

ABSTRACT OF THE INVENTION

A method of making a grout composition which reduces the amount of bleed water from grout used in bonded post-tensioned concrete applications is provided. The method includes forming the grout composition by combining copolymers with other materials into a hydraulic cementitious composition. The copolymers are formed from structural components a) to c) and optionally d) which are mono-unsaturated compounds, with a generally linear macromolecular structure. By reducing the amount of bleed water in bonded post-tensioned concrete applications the grout composition provides protection from corrosion for the steel members, including stranded tendons and solid bars. The reduction in the amount of bleed water is achieved without significantly increasing the viscosity of the grout mixture thereby allowing good pumpability, placement, and maintenance of other properties such as resistance to volume change, long working time and acceptable strength development.